

INSTALLATION MANUAL

FRANKE HEATING TANK



Affix your data plate sticker here

Retain for reference

NB: For use only with
Franke 3-in-1 Kettle Tap

INTRODUCTION

Thank you for purchasing this product, which has been manufactured to the highest quality and design standards. This manual provides you with the appropriate instructions to install this product correctly, and must be followed in all cases.

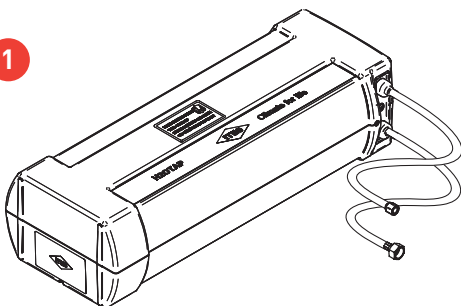
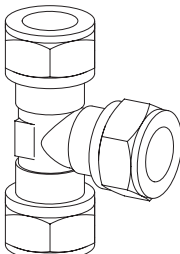
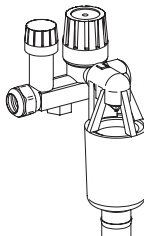
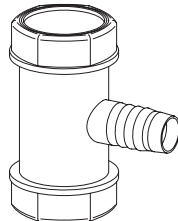
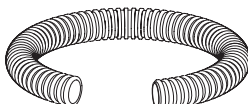
APPLICATION

This product is a boiling water device intended for domestic kitchen use. This Heating Tank is equipped with a copper vessel and is suitable for water pressure up to **6 bar**.

Heating Tank dimensions: L 550 x W 211 x D 142mm, and requires a minimum 600mm standard cabinet.

BOX CONTENTS

Check the contents of the box to ensure it is complete. Before starting you should check the components yourself for damage. If the mains lead is damaged it must be replaced at once by the manufacturer or their service agents. This is to avoid any hazardous situations.

1  x1	2  x1	
3  x1	4  x1	5 DATA PLATE FRANKE x1
6  x1	7  x1	8  x1
		9  x1
1. Franke Heating Tank Unit 2. 15mm copper pipe 3. T-coupling 4. Pressure Relief Valve and Tundish 5. Data plate (on Heating Tank) 6. Plastic discharge T-piece 7. Flexible plastic hose 8. Sealing Ring 9. Compression Reducing Ring 15 - 10mm		

SAFETY

- This product must be installed in accordance with the manual by a qualified installer, ensuring local installation and safety regulations are observed.
- Children or users with a mental disability should not use this tap unless they have received sufficient instructions about the operation of the tap by a person who is responsible for their safety. Children must never play with the appliance.
- As a built-in domestic appliance, this product must be capable of being isolated at any time. If it is to be connected to a wall socket, this should be easily accessible after installation in order to switch the unit off at any time.
- The heater may only be connected to an earthed independent wall socket outlet.
- The maximum consumptive power of the heater is 1500 watts.
- This product must be connected to a mains fused spur.
- Under no circumstances should you lift the Heating Tank by the flexible hoses.
- Always shut off the mains stopcock before starting installation.
- The flexible connecting hoses must not be twisted or kinked once connected.
- NB. The power must not be connected at any time during the installation, until the Heating Tank has been completely filled and vented.
- Always disconnect the power to your Heating Tank before you close your main stopcock. Restore power after you have opened the main stopcock.

TROUBLESHOOTING GUIDE

If you cannot solve the fault or failure yourself, contact your retailer or the service agent detailed in this manual.

PROBLEM	CAUSE	REMEDIAL ACTION
Water leak	a. Connection leaking b. Water leaking from the boiling water heater	a. Tighten the connector or replace it
No water comes out of the tap	a. The rising mains stopcock is shut off b. Valve on the inlet Pressure Relief Valve is shut off	a. Open the mains stopcock b. Open the valve on the inlet Pressure Relief Valve
Cold water comes out of the tap	a. The unit is not connected to a fused spur b. There is no power at the boiling water heater c. The thermostatic safety cut-out has tripped	a. Connect the mains lead to the fused spur b. Check the mains power supply: repair the break c. Contact your certified installer
The heater causes a short-circuit	a. There is a short-circuit in the heater wiring or element	a. Contact your certified installer
Reduced water flow or excessive spluttering	a. Diffuser (small filter in spout) blocked	a. Descale and flush out diffuser / spout filter
No expansion water from inlet Pressure Relief Valve	a. Water filter clogged b. No water in the Heating Tank c. Heating element failure	a. Replace water filter b. Fill Heating Tank c. Unit is irreparably damaged

TECHNICAL DATA

BOILING WATER TANK		
Article number	119.0179.533	
Voltage	230	V
Power	1500	W
Content	4.7	l
Load	10	A
Working pressure [max.]	600	kPa
Working pressure [min.]	150	kPa
Dimensions [L x W x H]	550 x 211 x 142	mm
Heating-up time ($\Delta T=100^{\circ}\text{C}$)	22	minutes
Recovery time ($\Delta T=60^{\circ}\text{C}$)	15	minutes
Energy consumption when non-operational	32	W
Temperature range	115	$^{\circ}\text{C}$

DRAIN

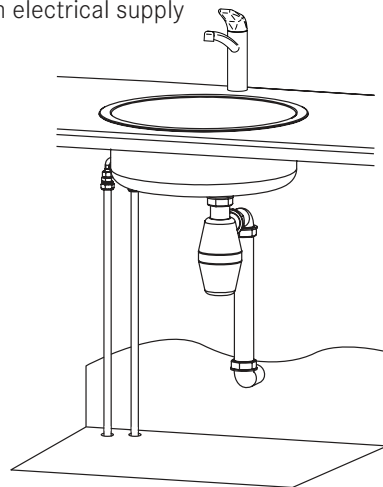
1. Always remove the mains lead from the electricity supply.
2. Open the boiling water tap until only cold water flows from it.
3. Shut off the main stopcock or the stop valve on the inlet Pressure Relief Valve.
4. In order to release the pressure in the Heating Tank, the boiling water tap needs to be opened again. Turn it off again once the water stops flowing.
5. Disconnect the pipes from the Heating Tank.
6. You can now empty the water in the Heating Tank by pouring it out.

INSTALLATION SEQUENCE

Follow the guide below for correct installation of the Franke Heating Tank.

SET UP

- Before you begin identify and clearly mark the hot and cold water pipes. Mark this on the tap inlet and on the water pipe.
- Shut off the main stopcock.
- Switch off the main electrical supply

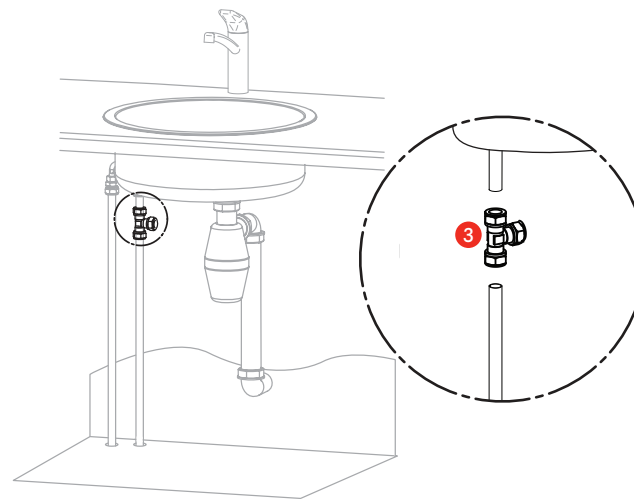


ATTENTION

For your own safety, ensure that the main electrical supply has been switched off. The electrical installation will only be done in step 10.

STEP 1

- Determine the position for the T-coupling **3** and fit it in the cold water pipe.



- Take the required space into account for the Pressure Relief Valve and Tundish **4** and waste T-piece **6** and any filter set.

FILTER

Accessory:

Water Conditioning Filter Set.

If you wish to install a filter set, follow the steps in the manual that is supplied with the filter set.

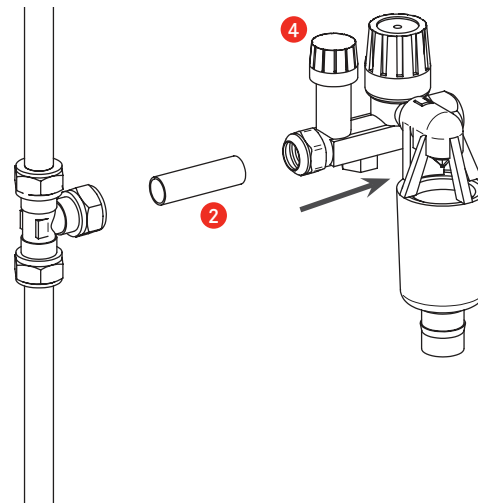
FILTER SET
MANUAL

ATTENTION

We recommend the use of a filter set. Water hardness must be between 100 and 200 mg/l Calcium Carbonate (CaCO_3) equivalent. Refer to your local water supplier.

STEP 2

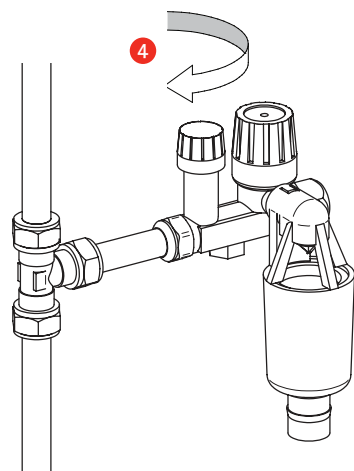
- Fit the inlet Pressure Relief Valve **4** to the T-coupling by using copper tubing (15 mm) **2**.



- The distance between the inlet Pressure Relief Valve **4** and the boiling water heater must never exceed 1.5 metres.
- Note the flow direction on the inlet Pressure Relief Valve.

STEP 3

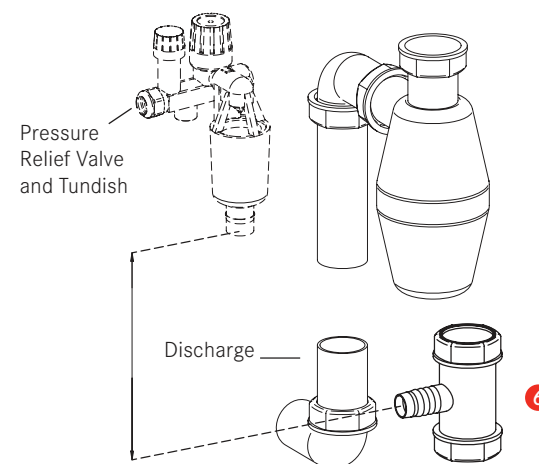
- Turn the valve on the inlet Pressure Relief Valve ④ off.
- Open the mains stopcock.
- Check for leaks, rectify as necessary.
- Shut the mains stopcock off again after checking.



- The expansion discharge of the Pressure Relief Valve must remain unobstructed and must always point downwards.
- Mount in a frost-free environment.

STEP 4

- Determine the position for the waste T-piece ⑥ and fit it in the waste pipe.

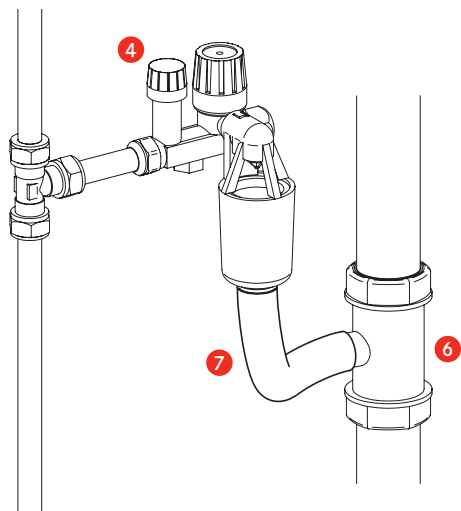


ATTENTION

The waste T-piece is to be positioned lower than the inlet Pressure Relief Valve and Tundish.

STEP 5

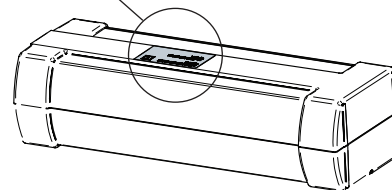
- Connect the waste T-piece **6** to the inlet Pressure Relief Valve and Tundish **4** using the flexible plastic hose **7**.



- The Tundish has a water trap in order to prevent odours from escaping from the waste pipe.

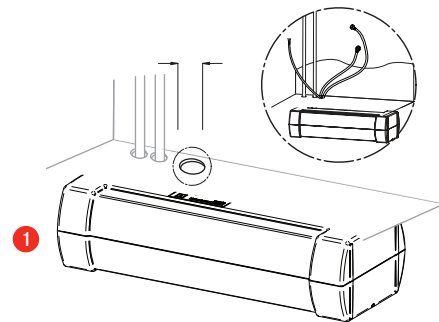
STEP 6

- The Franke Heating Tank MUST be positioned horizontally. Ensure that the tank is installed correctly (follow the instructions on the label).

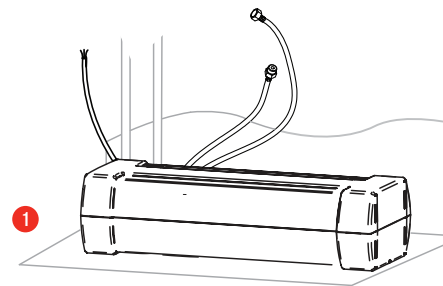


STEP 7

- You can fit the heater ❶ behind the plinth (Installation Option A) or in the kitchen cupboard (Installation Option B). Both installations need a level and vibration free surface.
- Installation Option A.
Fit the heater behind the plinth. Route the mains lead and the connecting hoses upwards behind the floor and backboard of the kitchen unit. If this routing option is unavailable, drill a hole (ø 60 mm/ 2½") in the base of the kitchen unit. Route the mains lead and both hoses through the hole.
- Installation Option B.
Position the heater in the back of the cupboard.



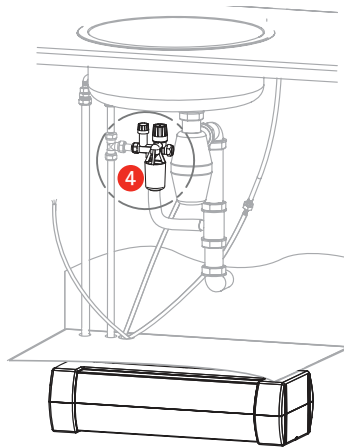
- Installation Option A



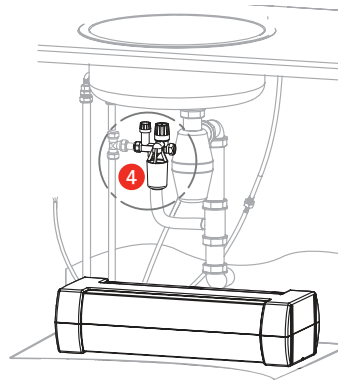
- Installation Option B

STEP 8

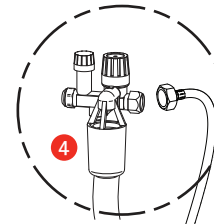
- Connect the cold water hose from the Heating Tank to the inlet Pressure Relief Valve **4**. This is the hose with the seals and 1/2" swivel nut.
- The flexible connecting hoses must NOT be twisted or kinked once connected.



- Installation Option A



- Installation Option B



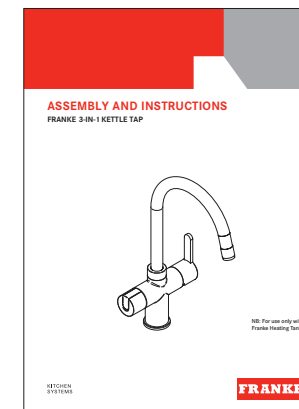
BOILING WATER TAP

Accessory:

The Kettle Tap.

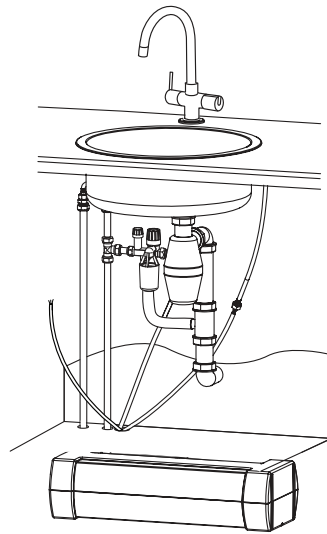
You must now install your Franke 3-in-1 Kettle Tap. Follow the steps in the manual that is supplied.

You need the Sealing Ring **8** and the Compression Reducing Ring **9** to install the boiling water tap.

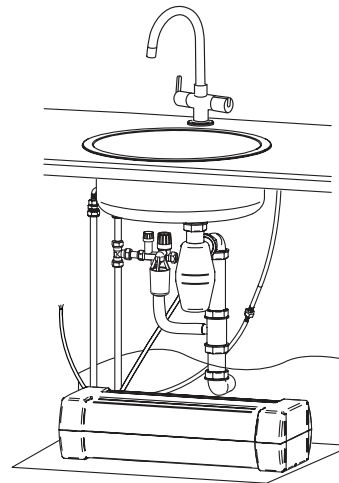


STEP 9

- Open the mains stopcock and turn the valve open on the inlet Pressure Relief Valve.
- In order to fill the water heater you first fully open the Kettle Tap. Flush the heater through for 3 minutes until clear water comes out of the tap. After turning off the tap, check the connections for leaks.



- Installation Option A



- Installation Option B

STEP 10

- Connect the plug of the Heating Tank to a wall socket.
- Now you can switch on the main electrical supply.
- If necessary, also switch on the electrical supply of the Heating Tank.

STEP 11

- It will take approximately 20 minutes for the Tank to fully heat up.
- Once heated, flush the heater again for 3 minutes. Flush the water heater 3 times within 1 hour before commissioning the heater into service.

ATTENTION

If, during the heating-up period, water is not discharged from the safety group after 4 minutes, immediately switch off the power and open the boiling water tap to release the water pressure. Consult the troubleshooting guide for the solution.

STEP 12

IMPORTANT

DATA PLATE



- Affix the supplied data plate close to the unit or on this manual. This will provide easy access to ascertain the model and serial number of the unit even if you decide to place the unit behind the plinth.
- You have successfully completed the installation of your Franke Heating Tank.

SERVICE INSTRUCTION

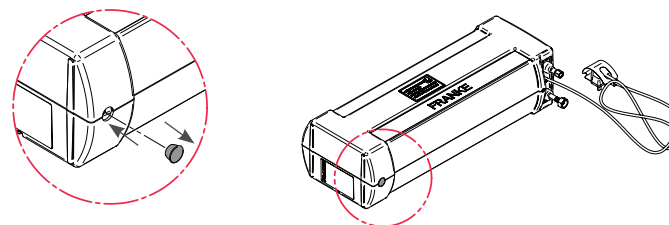
Only a certified installer is allowed to perform the service activities on the Heating Tank.

Resetting the thermal cut-out

Unplug the power plug of the water heater before you start servicing. Follow the sequence below to reset the Heating Tank:

- Remove the circular cap by using a screw driver.
- To reset the thermal cut-out push the button behind the hole in the housing with a screw driver.
- Fit the circular cap into the hole.
Push the cap until it snaps into place.

Make sure the Heating Tank has been filled with water. You can now restart the Heating Tank by restoring power.



NB. For group installations contact the service agent.

GUARANTEE

This appliance is warranted by the manufacturer to be free from material and/or manufacturing defects.

Warranty will be valid from the date of purchase shown on the invoice.

- Heating Tank: 2-year warranty (excluding labour and call-out charges).
- Kettle Tap: 2-year warranty (excluding labour and call-out charges).
- This is a domestic appliance and the warranty will only be validated if it is used in a domestic environment.

Warranty claims handling:

Any warranty claims should be directed to the Franke service agents:

Tel: 0808 165 0008

Email: info@frankefilterflow.co.uk

Warranty terms and conditions

1. Proof of purchase, showing date of purchase and model number of the appliance, is to be submitted with the warranty claim.
2. The appliance must have a data plate stating the model and serial number.
3. Warranty covers material and manufacturing defects only and which are judged to be such by the manufacturer.
4. The appliance is required to be installed, used and maintained exclusively in accordance with the installation and user manuals.
5. The appliance may only be employed under the circumstances and conditions of use set out in the installation and user manuals.
6. The appliance must not have undergone any modifications in its make-up.
7. Warranty does not cover any forms of negligence, improper use or normal wear and tear. Water quality must fall between the following conditions (refer to your local water supplier):
 - $\text{pH } 7 < \text{pH} < 9.5$
 - $\text{Fe} < 0.2 \text{ mg/l}$
 - $\text{Cl} < 150 \text{ mg/l}$
 - Water hardness must be between 100 and 200 mg/l Calcium Carbonate (CaCO_3) equivalent.
 Use appropriate filter if needed.*

*Warranty will only be valid if an appropriate filter set is fitted to the water supply. Proof of purchase of such filters is to be submitted with a warranty claim.

The Franke Heating Tank conforms to:

EN 60335-1:2002 incl. A1:2004, A11:2004, A12:2006 and A2:2006

EN 60335-2-21:2003 incl. A1:2005

EN 50366:2003, incl. A1:2006

Protection level: IP24D (EN 60529)

These products are in conformity with the rules of the following directives:

- 73/23/EEC Low Voltage Directive.
- 89/336/EEC Electromagnetic Compatibility (EMC) Directive.

After sales service:

Any warranty claims should be directed to the Franke service agents:

Tel: 0808 165 0008

Email: info@frankefilterflow.co.uk

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